CLAIMS

What is claimed is:

1	1. A method of providing information to a user through a control device, the				
2	method comprising:				
3	receiving an event signal indicating an occurrence of an event; and				
4	responsive to receiving the event signal, generating a notification signal within the				
5	control device to notify the user that the event has occurred.				
1	2. The method of claim 1, wherein generating the notification signal comprises:				
2	providing the user with a visual indication on the control device that the event has				
3	occurred.				
1	3. The method of claim 2 wherein the visual indication comprises illuminating a				
2	light source on the control device.				
1	4. The method of claim 3 wherein the light source blinks to indicate that the				
2	event is urgent.				
1	5. The method of claim 1, wherein generating the notification signal comprises:				
2	providing the user with an audio indication on the control device that the event has				
3	occurred.				
1	6. The method of claim 1, wherein generating the notification signal comprises:				
2	providing the user with a vibratory indication on the control device that the event has				
3	occurred.				
1	7. The method of claim 1, wherein generating the notification signal comprises:				

2	provid	ing the user with a tactile indication on the control device that the event has
3		occurred.
1	8. comprising:	A method for notifying a computer user of occurrence of an event, the method
3 4	comm	unicating from a host computer to a control device that the event has occurred, the control device having a region on its surface for an alterable texture; and
5 6 7	respon	region on the surface of the control device to notify the user that the event has occurred.
1	9.	The method of claim 8, wherein altering the texture comprises:
2	raisinį	g a plurality of pegs through a plurality of apertures in a surface of the control device.
1	10.	The method of claim 9, wherein raising the plurality of pegs comprises:
2	rotatir	ng an actuator to push a lever which is communicatively coupled to the plurality of pegs.
1	11.	The method of claim 10, wherein the actuator is of electromagnetic type.
1	12.	The method of claim 11, wherein the electromagnetic actuator is bi-stable.
1	13.	The method of claim 10, wherein the actuator is a solenoid.
1	14.	The method of claim 9, wherein the plurality of pegs is in a grid shape.
1	15.	The method of claim 9, wherein the plurality of pegs is in a quincunx shape.

1	16. The method of claim 8, wherein the control device is a mouse.			
1	17. A method for notifying a computer user of occurrence of an event, the me	ethod		
2	comprising:			
3	communicating from a host computer to a mouse that the event has occurred	l, the		
4	mouse having a region on its surface for an alterable texture; and			
5	responsive to the communication from the host computer, altering the texture o	n the		
6	region on the surface of the mouse to notify the user that the even	t has		
7	occurred, wherein altering the texture comprises raising a plurality of	pegs		
8	through a plurality of apertures in the region on the mouse.			
1	18. A system for notifying a computer user of an occurrence of an eve	nt by		
2	changing the texture of a region on the control device being used by the user, the system			
3	comprising:			
4	a plurality of pegs in the region on the control device for changing the texture	of the		
5	control device; and			
6	an actuator module for controlling the plurality of pegs.			
1	19. A system for notifying a computer user of an occurrence of an eve	nt by		
2	changing the texture of a region on the control device being used by the user, the s	ystem		
3	comprising:			
4	a key plate on the region of the control device; and			
5	a pegs plate comprising a plurality of pegs, a portion of which can protrude th	rough		
6	the key plate to change the texture of the region on the control device			
1	20. A system for notifying a computer user of an occurrence of an ever	ent by		
2	changing the texture of a region on the control device being used by the user, the s	ysten		
3	comprising:			
4	a key plate on the region on the control device;			

5	a pegs plate comprising a plurality of pegs, a portion of which can protrude through			
6	the key plate to change the texture of the region on the control device;			
7	a lever communicatively coupled to the pegs plate to reposition the pegs plate with			
8	respect to the key plate;			
9	a cam communicatively coupled to the lever for manipulating the lever; and			
10	an actuator module communicatively coupled to the cam for rotating the cam.			
1	21. The system of claim 20 wherein the actuator module is bi-stable.			
1	22. The system of claim 20 wherein the actuator module comprises a solenoid.			
1	23. The system of claim 20 wherein the lever is flexible.			
1	24. The system of claim 20 wherein the pegs plate comprises a plurality of pegs in			
2	a grid shape.			
1	25. The system of claim 20 wherein the pegs plate comprises a plurality of pegs in			
2	2 a quincunx configuration.			
1	26. A system for notifying a computer user of an occurrence of an event by			
2	a the state of the			
3	comprising:			
4	protruding means in the region on the control device for changing the texture of the			
5	control device; and			
6	actuator means for controlling the protruding means.			
1	27. A system for notifying a computer user of an occurrence of an event by			
2	changing the texture of a region on the control device being used by the user, the system			
3	comprising:			

4	alterable means on the region of the control device for altering the texture of the		
5	region on the control device; and		
6	protruding means for protruding through the alterable means on the region of the		
7	control device.		
1	28. A computer program product for storing a program for permitting a computer		
2	to perform a method of providing information to a user through a control device, the method		
3	comprising:		
4	receiving an event signal indicating an occurrence of an event; and		
5	responsive to receiving the event signal, generating a notification signal within the		
6	control device to notify the user that the event has occurred.		
1	29. A computer program product for storing a program for permitting a computer		
2	to perform a method for notifying a computer user of occurrence of an event, the method		
3	comprising:		
4	communicating from a host computer to a control device that the event has occurred,		
5	the control device having a region on its surface for an alterable texture; and		
6	responsive to the communication from the host computer, altering the texture on the		
7	region on the surface of the control device to notify the user that the event has		
8	occurred.		